AMENDMENTS TO THE SPECIFICATION

[0020] The antenna system 100 shown in Figure 3, however, in some applications, may result in an unacceptable degree of blockage of the signal being transmitted and/or received by the antenna system 100. Accordingly, it may be desirable to locate the azimuthal axis of rotation 108 shown in Figure 3 forwardly of the outermost edges 102b of the main reflector 102. Such a mounting arrangement is shown in Figure 5. Antenna system 200 shown in Figure 5 is identical with antenna system 100 shown in Figure 3 with the exception that mounting platform 206 has a longer overall length to allow the azimuthal axis or rotation 108 to be located forwardly (i.e., to the right in Figure 5) of the outermost edges 202b of the main reflector 202. It will also be appreciated that components of the antenna system 200 in common with those of antenna system 100 have been designated by reference numerals increased by a factor of 100 over those used to denote the components of the antenna system 100, such as motor 210 and transmission line 212a. The swept arc produced by the antenna system 200 is shown in Figure 6. The swept arc is designated by dashed circle 220. The maximum, effective frontal width of the main reflector 202 is thus represented by arrow 222, which is only slightly larger than a diameter 226 of the main reflector. The radius of rotation of the reflector 202 is represented by line 224. Comparing the swept arc 220 of Figure 6 with the swept arc 116 illustrated in Figure 4, it can be seen that the swept arc produced by the mounting arrangement of antenna system 200 is slightly greater than that produced by antenna system 100. However, the location of the azimuthal axis

forwardly of the outermost edges 202b of the main reflector 202 helps to eliminate a degree of the blockage produced by the mounting platform 206 and the rotary joint 212.